

STOP JOINT HEAVY

High density polyurethane filling mass

NATURE AND USE

High density, two-component solvent free filling product, polyurethane fast drying resins and special charges based, formulated for the coating of welding joints On-Off shore of steel Pipelines, as weighting coating for concrete sea-lines or as anticorrosion and shock absorbent protection for risers, and filler for anodes. The product fully cured has a water permeability extremely low and a good resistance to the cathodic disbonding; for this reason it is recommended for application in oceanic environment (sea-lines, etc.....). Moreover, it provides high resistance to abrasion, impact, chemical agents, sea water, etc. , further to a good dimensional stability, keeping its properties unaltered even if exposed to temperature changes. Excellent adhesion on metal properly prepared. Compatible with other kind of protective coatings normally used on pipelines.

TECHNICAL DATA



Specific Gravity A+B:	kg/l	2,0 ± 0,02 @ +20°C
Solids by Weight and Volume:	%	100 ±- 2% A+B
Mixing Ratio by Weight:		100 parts of Base / 12,5 parts of Hardener
**Pot life @ +20°C:		3 - 20 minutes on request
Range of Exercise Temperatures:		-20°C ÷ +120°C (Exposed in dry air and without simultaneous mechanical stress)
Colour:		Greyish (other colours on request)*

* **Note:** Like all materials of the same nature and type also StopJoint Heavy polymerized film, when exposed in air in external ambient , due to the action of atmospheric agents (sun, rain etcetera) may undergo colour changing with chalking and tarnishing. These phenomena are only aesthetic ones and do not indicate a loss of the corrosion protection property from the coating as the characteristic of the film is not altered.

SUBSTRATE PREPARATION

Steel: Substrate clean, free from oils, greases and any contaminants. Minimum sandblasting of the Surface according to ISO 8501/1 to SA 2.5 for steel. Surface roughness must be RZ DIN ≥ 70 µm up to 200 µm according to ISO 8503
Remove dust with dry air jetting: final cleaning degree <Class 2 according to ISO 8502-3. Substrate always perfectly dry, free from traces of humidity.

Concrete: Seasoned, cleaned, free from oils, greases and any contaminant. Perform a light sandblasting to roughen the substrate, remove dust with dry air, Substrate dry, free from traces of humidity.

Other substrates: Cleaned, free from oils, greases and pollutants and then roughened.

PRODUCT PREPARATION

Homogenize separately the Base and the Hardener in their own supply container. The preparation of the mix for the application can be done by means of an automatic mixing equipment of the components or manually.
Application by injection/extrusion or by fall of the product, previously dosed and mixed, from the container.

** The "POT LIFE" time of two components products (time within which it is possible to apply the paint mix of Base and Hardener), is exponentially dropped by the increase of product temperature.

Note: The use of a mix of paint (Base + Hardener) over the POT LIFE time is irreparably compromising all the properties of the coating film.**

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APPLICATION DETAILS

Application method:	Extrusion or casting in work forms of anti-adherent material, placed around the welding joint
Thinning:	Do not Thin
Cleaning:	Wash the whole equipment immediately after use with Thinner PUR11
Hardening/De-moulding time @ 25°C:	≤ 5 minutes ÷ 3 – 4 hours on request
Full curing @ +25°C:	5-7 days
Ambient Temperature:	+5°C / +40 °C
Temperature of the product (suggested):	Base: +30°C/+35°C Hardener: +20°C/+45°C (Depending on the used application system: i.e. by manual pouring or automatic extrusion)
Temperature of the substrate:	>+5° / +10°C and always at least +3/+5°C above dew point
Humidity:	≤ 80 %
Obtainable thickness:	~ 10 – 500 mm
Theoretical use:	Kg/sqm ~ 20,0 at a dry film thickness of 10 mm

More info by writing to sales@industri brunostoppa nipa nts.com or by calling +39 030 9745116

HANDLING STORAGE AND SAFETY PRECAUTIONS

Warning: All handling and/or use activities of the material and its components must strictly refer to the given indications in the Safety Data Sheet (Base and Hardener). The following advices are stated by common sense and in good faith, they are uncompleted and do not substitute the content of each specific safety data sheet of the product.

Handling: The material must be used only by professional and qualified applicators suitably trained. All the operations involving the use of the product, must be carried on in compliance with all the relevant National Health, Safety & Environmental standards and regulations.

Precautions: When the product is used in enclosed areas (rooms, containers, vessels, etc.) it is imperative to use adequate means providing the necessary air circulation, to be granted during the whole application and coating polymerization time, also to avoid conditions open to potential explosion danger.

All electrical installations must always be grounded. Where explosion hazards exist, the workmen should be required to use only non-ferrous tools and wear conductive non-sparking shoes and clothing. Explosion and flame-proof equipment too are required.

Storage and transport: Keep far from flames, sparks or heat sources. Do not leave exposed under direct solar action. Store under shelter in original unopened packaging, in cool, dry and ventilated areas, at temperatures between +5°C and +35°C.

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Shelf life: **Base** **12 months** in the suggested storage conditions (original unopened packaging)
Hardener **6 months** in the suggested storage conditions (original unopened packaging)

N.B.: **Product for professional use only**
and exclusively for the uses not regulated under CE Directive 2004/42/CE.

From August 24, 2023 the industrial or professional use of diisocyanates taken individually or in combination, in a concentration greater than 0.1% is allowed only after having received adequate training.

Refer to Material Safety Data Sheet



Access catalogues, data sheets and company presentations

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